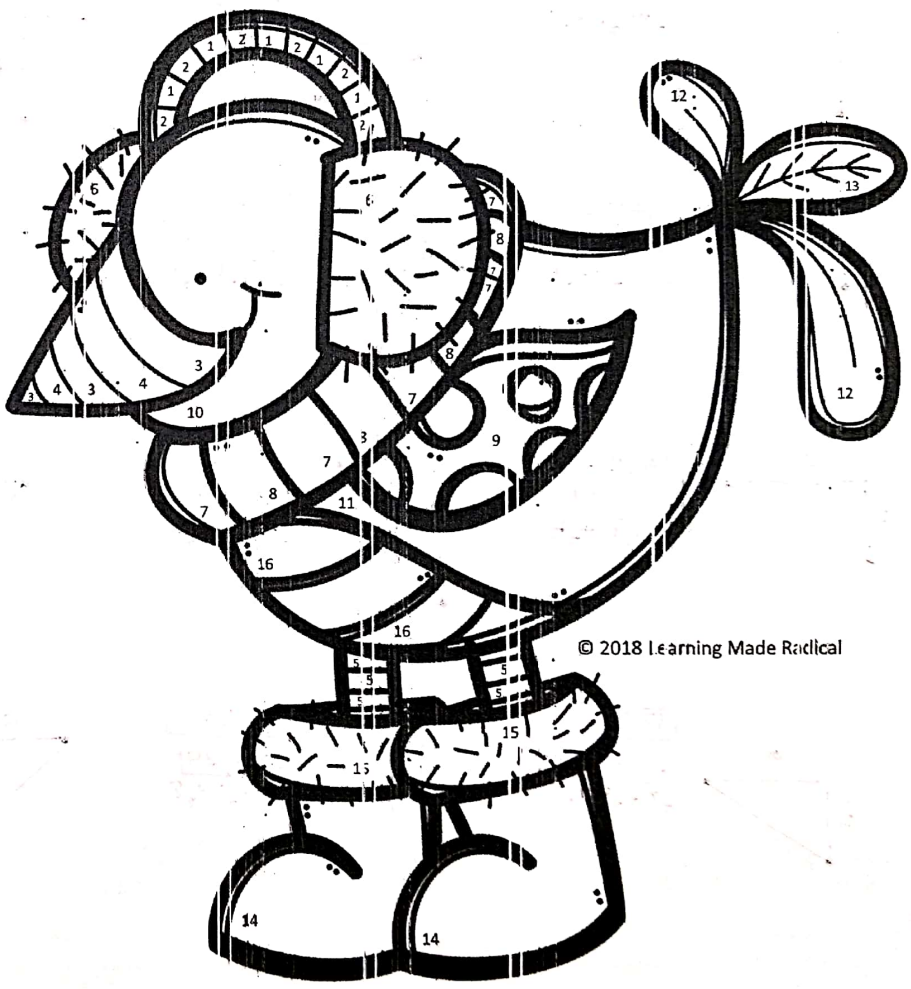
Key

GREEN	RED	GREEN	RED
6.4	5.39	5	5.1
# 6	# 13	# 1	# 9

RED	GREEN	ORANGE	RED
5.66	7.07	4.12	10
# 11	# 2	# 5	# 16

BLUE	YELLOW	RED	PURPLE
3.61	7.21	7.28	8.06
# 15	# 4	# 10	# 8

BLUE	RED	GREEN	ORANGE
8.6	6.71	5.83	7.62
# 7	# 12	# 14	# 3



Name:_____ Date :_____

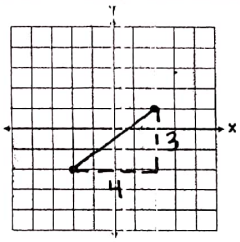
Find the distance between the two coordinates using the Pythagorean Theorem and round to the nearest hundredth. Below the answer on the answer key, page 2, fill in the problem number from that answer. Then on the picture, use the color name above the answer along with the problem number below to color the picture. The grey shaded areas are what number goes with what color.

1.) (2, 1) & (-2, -2)

$3^2+4^2=x^2$

$\sqrt{25}=\sqrt{x^2}$

$x=5$

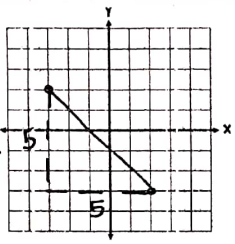


2.) (-3, 2) & (2, -3)

$5^2+5^2=x^2$

$\sqrt{50}=\sqrt{x^2}$

$x=7.07$

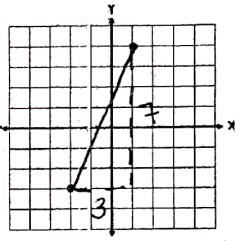


3.) (1, 4) & (-2, -3)

$3^2+7^2=x^2$

$\sqrt{58}=\sqrt{x^2}$

$x=7.62$

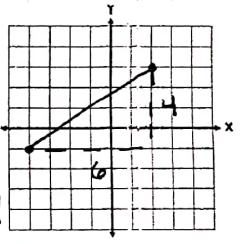


4.) (-4, -1) & (2, 3)

$6^2+4^2=x^2$

$\sqrt{52}=\sqrt{x^2}$

$x=7.21$

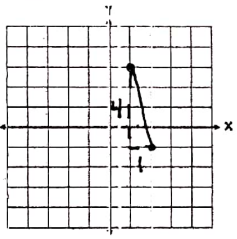


5.) (1, 3) & (2, -1)

$1^2+4^2=x^2$

$\sqrt{17}=\sqrt{x^2}$

$x=4.12$

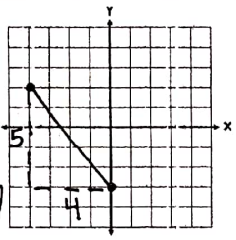


6.) (-4, 2) & (0, -3)

$5^2+4^2=x^2$

$\sqrt{41}=\sqrt{x^2}$

$x=6.40$

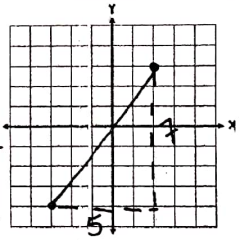


7.) (2, 3) & (-3, -4)

$7^2+5^2=x^2$

$\sqrt{74}=\sqrt{x^2}$

$x=8.60$

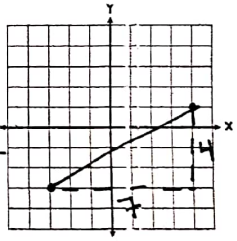


8.) (-3, -3) & (4, 1)

$7^2+4^2=x^2$

$\sqrt{65}=\sqrt{x^2}$

$x=8.06$

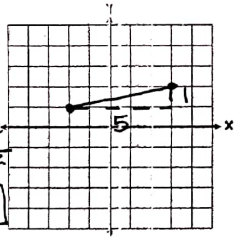


9.) (3, 2) & (-2, 1)

$1^2+5^2=x^2$

$\sqrt{26}=\sqrt{x^2}$

$x=5.10$

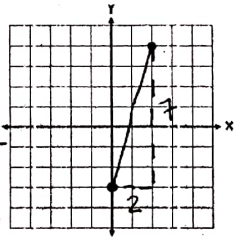


10.) (0, -3) & (2, 4)

$2^2+7^2=x^2$

$\sqrt{53}=\sqrt{x^2}$

$x=7.28$

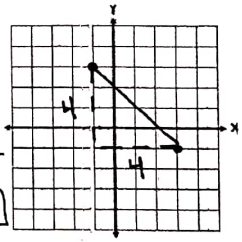


11.) (-1, 3) & (3, -1)

$4^2+4^2=x^2$

$\sqrt{32}=\sqrt{x^2}$

$x=5.66$

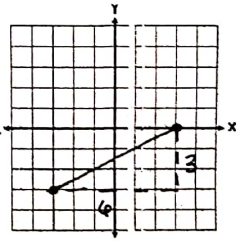


12.) (3, 0) & (-3, -3)

$3^2+6^2=x^2$

$\sqrt{45}=\sqrt{x^2}$

$x=6.71$

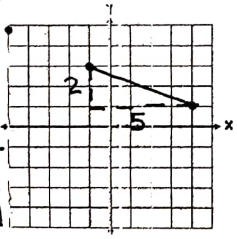


13.) (4, 1) & (-1, 3)

$2^2+5^2=x^2$

$\sqrt{29}=\sqrt{x^2}$

$x=5.39$

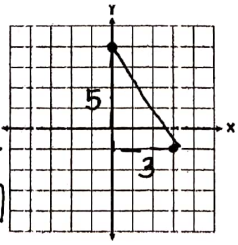


14.) (0, 4) & (3, -1)

$3^2+5^2=x^2$

$\sqrt{34}=\sqrt{x^2}$

$x=5.83$

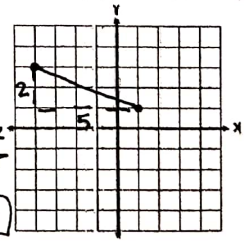


15.) (-4, 3) & (-1, 1)

$2^2+5^2=x^2$

$\sqrt{29}=\sqrt{x^2}$

$x=5.39$



16.) (-3, -4) & (3, 4)

$6^2+8^2=x^2$

$\sqrt{100}=\sqrt{x^2}$

$x=10$