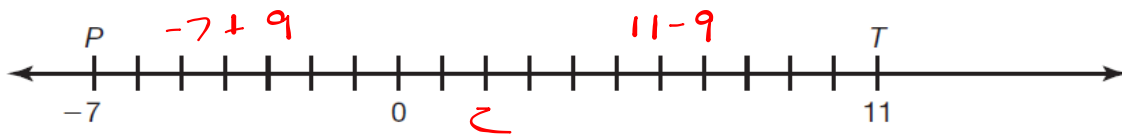


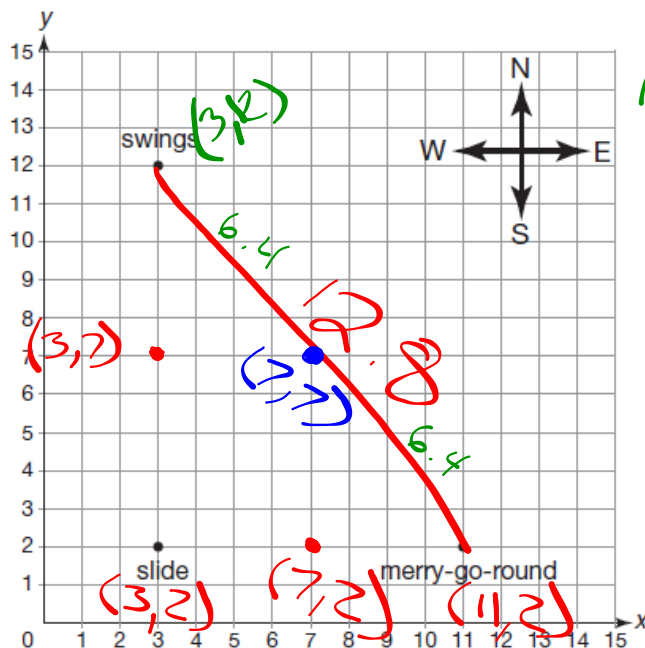
Warm-up 2/27/17

What is the value of the point half-way between points P and T.



$$11 - (-7) = 18$$

$$\frac{18}{2} = 9$$



$$\sqrt{(7-3)^2 + (7-12)^2}$$

$$\sqrt{16+25} = \sqrt{41}$$

$$\sqrt{(11-7)^2 + (2-7)^2}$$

$$\sqrt{16+25}$$

$$11 - 3 = 8$$

$$x_1 + \frac{x_2 - x_1}{2}$$

$$y_1 + \frac{y_2 - y_1}{2}$$

$$y_1 + \frac{y_2}{2} - \frac{y_1}{2}$$

$$\frac{x_1 + x_2}{2}$$

$$\frac{y_1}{2} + \frac{y_2}{2}$$

$$\frac{y_1 + y_2}{2}$$

P. 672

16.

a.  $(0,5)$   $(4,3)$

$$\left( \frac{0+4}{2}, \frac{5+3}{2} \right)$$

$$(2, 4)$$

b.

$$(8,2)$$
  $(6,0)$

$$\left( \frac{8+6}{2}, \frac{2+0}{2} \right)$$

$$(7, 1)$$

P. 673

