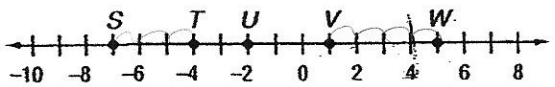
Geom. 0520
Quiz 1.3 – 1.4

Name KEY

Use the number line to find each measure.



1. $VW = 4$

2. $ST = 3$

Use the Pythagorean Theorem to find the distance between the following pair of points.

3.

$a^2 + b^2 = c^2$

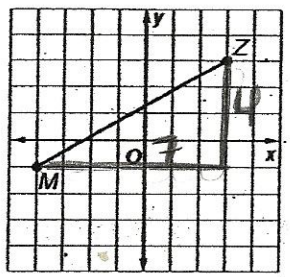
$(7)^2 + (4)^2 = c^2$

$49 + 16 = c^2$

$65 = c^2$

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

$\sqrt{65} = c = MZ$



Use the distance formula to find the distance between the following pair of points.

4. $L(-7, 0), Y(5, 9)$

$x_1\ y_1\ x_2\ y_2$

$d = \sqrt{(-7-5)^2 + (0-9)^2}$

$= \sqrt{(-12)^2 + (-9)^2}$

$= \sqrt{144 + 81}$

$= \sqrt{225}$

$d = 15 = LY$