

## Weekend Review 9/13/2013

Date \_\_\_\_\_ Period \_\_\_\_\_

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**Find the distance between each pair of points. Give each answer as a simplified radical AND as a decimal rounded to the nearest tenth.**

1)  $(-5, -8), (5, -6)$

2)  $(8, -10), (-8, -2)$

**Find the midpoint of the line segment with the given endpoints.**

3)  $(2, -2), (4, 2)$

4)  $(5, -6), (10, -9)$

**Find the other endpoint of the line segment with the given endpoint and midpoint.**

5) Endpoint:  $(8, 3)$ , midpoint:  $(3, 1)$

6) Endpoint:  $(-10, 0)$ , midpoint:  $(10, -9)$

**Solve each equation.**

7)  $1 + 2(4x + 1) = 24 + x$

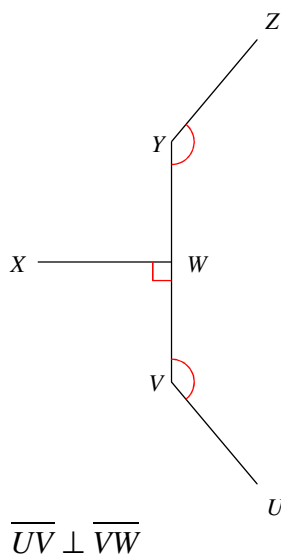
8)  $-2(5n + 1) - 5 = -25 - 4n$

9)  $27 - x = -(6x - 7)$

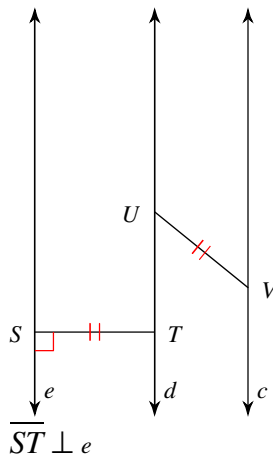
10)  $6(-7 - v) - 4v = -v + 21$

**Write if the statement given is indicated by the marks on the diagram.**

11)



12)



## Answers to Weekend Review 9/13/2013

1)  $2\sqrt{26}$

2)  $8\sqrt{5}$

3)  $(3, 0)$

4)  $\left(7\frac{1}{2}, -7\frac{1}{2}\right)$

5)  $(-2, -1)$

6)  $(30, -18)$

7)  $\{3\}$

8)  $\{3\}$

9)  $\{-4\}$

10)  $\{-7\}$

11) Not given by the diagram

12) Given by the diagram