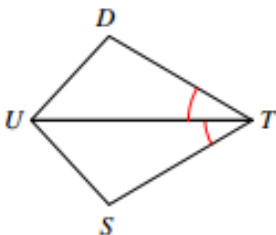


Monday

State what additional information is required in order to know that the triangles are congruent for the reason given.

ASA



Tuesday

The equation  $s = 4\sqrt{5x}$  can be used to estimate the speed,  $s$ , of a car in miles per hour, given the length in feet,  $x$ , of the tire marks it leaves on the ground. A car traveling 90 miles per hour came to a sudden stop. According to the equation, how long would the tire marks be for this car?

Wednesday

Solve the following equations:

a.  $x^{\frac{1}{2}} = 32^{\frac{3}{5}}$

b.  $(2x - 5)^{\frac{1}{3}} + 6 = 3$

Thursday

Given the functions  $f(x) = 3x + 8$  and  $g(x) = 2x - 5$ , answer the following:

- Find  $f(g(3))$
- Find  $g(f(2))$
- Find  $f(g(x))$
- Find  $g(f(x))$

Friday

**Matching**

28. Match the transformations from the parent function  $y = x^2$  to the function provided.

- |                           |                    |
|---------------------------|--------------------|
| A. $f(x) = x^2 + 4x + 7$  | i. up 2, left 3    |
| B. $f(x) = x^2 - 4x + 7$  | ii. up 3, left 2   |
| C. $f(x) = x^2 - 6x + 11$ | iii. up 3, right 2 |
| D. $f(x) = x^2 + 6x + 11$ | iv. up 2, right 3  |