## Activity 3.5.1: Solving Corresponding Parts of Congruent Triangles

Total points = 36

1.  $\overline{HT} \cong \overline{AT} \checkmark$  $HT = AT \checkmark$ 4. OH≅ GD√  $5x = 3x + 4\checkmark$ OH = GD√  $5x - 3x = 3x - 3x + 4\checkmark$ 7x = 4x + 15 $2x = 4\checkmark$ 7x - 4x = 4x - 4x + 15 $\frac{2x}{2} = \frac{4}{2} \checkmark$  $\frac{3x}{3} = \frac{15}{3} \checkmark$  $x = 2\sqrt{\phantom{a}}$ x = 5 $OH = 7x\sqrt{}$ 2.  $\overline{HU} \cong \overline{HT} \checkmark$ OH = 7(5) $HU = HT \checkmark$  $OH = 35\sqrt{}$  $2x-3=x+5\checkmark$  $2x - x - 3 + 3 = x - x + 5 + 3\sqrt{5}, \ \overline{SQ} \cong \overline{SE}\sqrt{5}$  $SQ = SE \checkmark$ 3x + 10 = 5x3.  $\overline{CU} \cong \overline{TU} \checkmark$ 3x - 5x + 10 - 10 = 5x - 5x - 10 $\frac{-2x}{-2} = \frac{-10}{-2} \checkmark$  $CU = TU \checkmark$  $7x-4=x+2\checkmark$  $7x - x - 4 + 4 = x - x + 2 + 4 \checkmark \quad x = 5 \checkmark$  $SQ = 3x + 10\sqrt{}$  $\frac{6x}{6} = \frac{6}{6}\checkmark$ SQ = 3(5) + 10

SQ = 25

## Activity 3.5.1: Solving Corresponding Parts of Congruent Triangles \_\_\_

Total points = 36

1. 
$$\overline{HT} \cong \overline{AT} \checkmark$$
  
 $HT = AT \checkmark$   
 $5x = 3x + 4\checkmark$   
 $2x = 4\checkmark$   
 $2x = 4\checkmark$   
 $x = 2\checkmark$   
2.  $\overline{HU} \cong \overline{HT} \checkmark$   
 $4. \overline{OH} \cong \overline{GD} \checkmark$   
 $7x = 4x + 15\checkmark$   
 $7x - 4x = 4x - 4x + 15\checkmark$   
 $7x - 4x = 4x - 4x + 15\checkmark$   
 $7x - 4x = 4x - 4x + 15\checkmark$   
 $7x - 4x = 4x - 4x + 15\checkmark$   
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 $7x - 4x = 4x - 4x + 15\checkmark$   
 $7x - 4x = 4x - 4x + 15\checkmark$   
 $7x - 4x = 4x - 4x + 15\checkmark$   
 $7x - 4x = 4x - 4x + 15\checkmark$   
 $7x - 4x = 4x + 10$   
 $7x - 4x = 4x + 10$   
 $7x - 4x = 4x + 10$   
 $7$ 

## Activity 3.5.1: Solving Corresponding Parts of Congruent Triangles

x = 1

1.  $\overline{HT} \cong \overline{AT} \checkmark$ 

Total points = 36

```
HT = AT \checkmark
    5x = 3x + 4\checkmark
                                             4. OH≅ GD√
                                                    OH = GD√
    5x - 3x = 3x - 3x + 4\checkmark
                                                    7x = 4x + 15
    2x = 4\sqrt{ }
                                                    7x - 4x = 4x - 4x + 15
    \frac{2x}{2} = \frac{4}{2} \checkmark
                                                    \frac{3x}{3} = \frac{15}{3} \checkmark
    x = 2\sqrt{\phantom{a}}
                                                    x = 5√
                                                    OH = 7x
2. \overline{HU} \cong \overline{HT} \checkmark
                                                    OH = 7(5)
    HU = HT \checkmark
                                                    OH = 35√
    2x-3=x+5\checkmark
    2x - x - 3 + 3 = x - x + 5 + 3\sqrt{5}. \ \overline{SQ} \cong \overline{SE} \checkmark
    x = 8
                                                    SQ = SF \checkmark
                                                    3x + 10 = 5x
3. \overline{CU} \cong \overline{TU} \checkmark
                                                    3x - 5x + 10 - 10 = 5x - 5x - 10
                                                    \frac{-2x}{-2} = \frac{-10}{-2} \checkmark
    CU = TU \checkmark
    7x - 4 = x + 2\checkmark
    7x - x - 4 + 4 = x - x + 2 + 4 x = 5
                                                    SQ = 3x + 10\sqrt{}
    \frac{6x}{6} = \frac{6}{6}\checkmark
                                                    SQ = 3(5) + 10\sqrt{}
    x = 1
                                                    SQ = 25\sqrt{}
```

## Activity 3.5.1: Solving Corresponding Parts of Congruent Triangles

Total points = 36

```
1. HT ≅ AT ✓
    HT = AT \checkmark
    5x = 3x + 4\checkmark
                                              4. \overline{OH} \cong \overline{GD} \checkmark
                                                   OH = GD√
     5x - 3x = 3x - 3x + 4\checkmark
                                                   7x = 4x + 15
     2x = 4\checkmark
                                                   7x - 4x = 4x - 4x + 15
     \frac{2x}{2} = \frac{4}{2} \checkmark
                                                    \frac{3x}{3} = \frac{15}{3} \checkmark
     x = 2
                                                   x = 5
                                                   OH = 7x
2. \overline{HU} \cong \overline{HT} \checkmark
                                                    OH = 7(5)
     HU = HT \checkmark
                                                    OH = 35√
     2x - 3 = x + 5
     2x - x - 3 + 3 = x - x + 5 + 3\sqrt{5}. \ \overline{SQ} \cong \overline{SE} \checkmark
     x = 8
                                                    SQ = SF \checkmark
                                                    3x + 10 = 5x
3. <del>CU</del> ≅ <del>TU</del>✓
                                                    3x - 5x + 10 - 10 = 5x - 5x - 10
                                                    \frac{-2x}{-2} = \frac{-10}{-2} \checkmark
     CU = TU \checkmark
     7x - 4 = x + 2
    7x - x - 4 + 4 = x - x + 2 + 4 x = 5
                                                    SQ = 3x + 10\sqrt{}
     \frac{6x}{6} = \frac{6}{6}\checkmark
                                                   SQ = 3(5) + 10\sqrt{}
     x = 1
                                                    SQ = 25\sqrt{}
```