Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**BLUE Ch.3 Practice 1**

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| --- |
| **Name the pair of angles. Find the missing angle.** (2pt each)  1)  Missing Angle =    65°  Name:  ? |
| 4)  42°  Missing Angle =  Name:  ? |
| **Identify the pair of angles. Find the missing angle.** (2pts each)  5)  ?  53°  Missing Angle =  Name: |
| 6)  Name:  110°  Missing Angle =  ? |
| **Identify the pair of angles. Find the missing angle.** (2pts each)  7)  Name:  ?  Missing Angle =  84° |
| 8)  140°  ?  Missing Angle =  Name: |
| **Identify the pair of angles. Find the missing angle.** (2pts each)  9)  123°  Name:  Missing Angle =  ? |
| 10)  39°  Missing Angle =  Name:  ? |
| **Solve for x. Then find the measure of the angle in bold.** (3pts each)  11)  X =  **5x°**  140°  Bolded angle = |
| **Solve for x. Then find the measure of the angle in bold.** (3pts each)  12)  45°  X =  **x + 43°**  Bolded angle = |
| 13)  **3x + 2°**  5x - 32°  X =  Bolded angle = |
| 14)  **6x**°  5x + 10°  X =  Bolded angle = |
| 15)  x + 109°  **x + 89°**  X =  Bolded angle = |
| **Solve for x. Then find the measure of the angle in bold.** (3pts each)  16)    x + 39°  X =  Bolded angle =  **2x – 21°** |
| **Write an equation. Find the measure of the interior angles.**  17)  X = |
| **Write an equation. Find the measure of the interior angles.**  18)  X = |
| **Write an equation. Find the measure of the exterior angles.**  19)  Exterior angle =    X = |
| 20)  X =  Exterior angle = |
| **Write an equation. Find the measures of the interior angles**  21)    X = |
| 22)  X = |
| **Write an equation. Find the measures of the exterior angles of the polygon.**  23)  4x – 1 = \_\_\_\_\_\_  105 = \_\_\_\_\_\_\_\_  3x = \_\_\_\_\_\_\_\_\_  4x – 1 = \_\_\_\_\_\_ |
| 24)  2x + 2 = \_\_\_\_\_\_  x = \_\_\_\_\_\_\_\_\_\_  80 = \_\_\_\_\_\_\_\_\_  90 = \_\_\_\_\_\_\_\_\_  3x + 8 = \_\_\_\_\_\_ |
| Tell whether the triangles are similar?  25)  Are the triangles similar? |
| The distance from point E to the lighthouse is |