**H. Geometry – Bellwork #35 Date: \_\_\_\_\_\_\_\_\_\_**

Is it possible to prove lines *m* and *n* are parallel? If so, state the postulate or theorem you would use:

*Corresponding Angles, Alternate Interior Angles, Alternate Exterior Angles, Same-Side Interior Angles.*

m

n

m

n

m

n

**1) 2) 3)**

Yes/No\_\_\_\_\_\_\_\_\_\_\_\_\_ Yes/No\_\_\_\_\_\_\_\_\_\_\_\_\_ Yes/No\_\_\_\_\_\_\_\_\_\_\_\_\_

Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4) 5) 6)**

n

m

n

m

n

m

Yes/No\_\_\_\_\_\_\_\_\_\_\_\_\_ Yes/No\_\_\_\_\_\_\_\_\_\_\_\_\_ Yes/No\_\_\_\_\_\_\_\_\_\_\_\_\_

Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Find the value of x that makes r ‖ s.**

r

s

(90 – x)°

x°

r

s

2x°

x°

**7) 8) 9)**

r

3x°

(2x+20)°

s