**Classify the angle pair formed by ∠1 and ∠2.**

**11.**
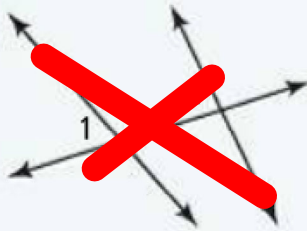


**12.**
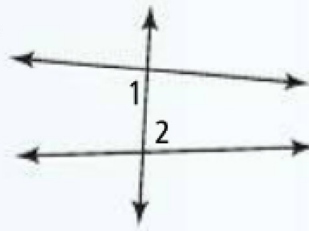


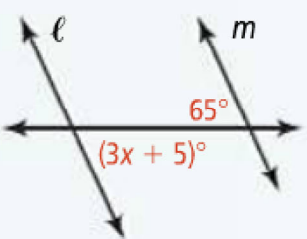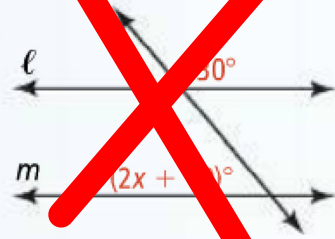**Find m∠1 and m∠2. Justify your answers.**

**13.**
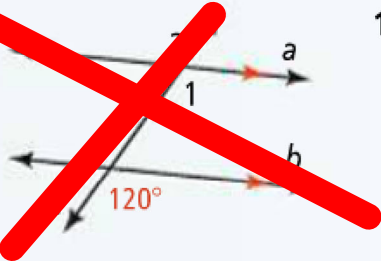


**14.**
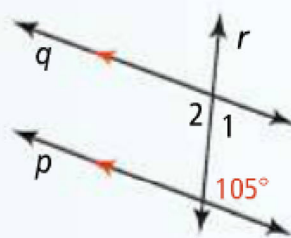


**Find the value of $x$ for which $\ell \parallel m$.**
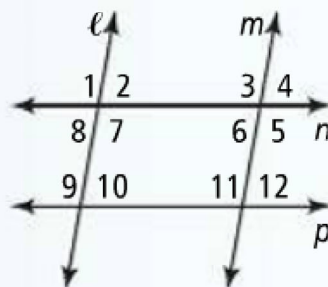
**16.**



**17.**



**Use the given information to decide which lines, if any, are parallel. Justify your conclusion.**

**18.** $\angle 1 \cong \angle 9$

**20.** $m\angle 2 + m\angle 3 = 180$

**Find the slope of the line passing through the points.**

**35.** $(-7, 2), (-7, -5)$

**37.** Name the slope of and a point on $y - 3 = -2(x + 5)$. Then graph the line.

**Write an equation of the line.**

**39.** slope 3, passes through $(1, -9)$

**Determine whether $\overleftrightarrow{AB}$ and $\overleftrightarrow{CD}$ are *parallel*, *perpendicular*, or *neither*.**

**41.** $A(-1, -4), B(2, 11), C(1, 1), D(4, 10)$

**43.** $A(-3, 3), B(0, 2), C(1, 3), D(-2, -6)$

**45.** Write an equation of the line parallel to $y = 8x - 1$ that contains $(-6, 2)$.