3.R - Unit 3 Review

1) Assignment Correction and Questions

2) Quiz 3.6

3) Review Learning Targets

4) Assignment Time for Review

Pg. 194 #24-31 graph, 38, 42, 58-61, 68-73
Learning Targets Unit 3

Section 3-2, just fill in all angle measures

\[ 8x - 34 = 5x + 2 \]
\[-5x\]
\[ 3x - 34 = 2 \]
\[ +34 +3 \]
\[ \frac{3x}{3} = \frac{36}{3} \]
\[ x = 12 \]
Learning Targets Unit 3

\[ \chi < 23 \]
\[ (\chi > 0) \]
\[ \chi + y > 11 \]
\[ -y - 4 \]
\[ \chi > 7 \]

3.6a)

Learning Targets Unit 3

1) \[ y - y_1 = m(x - x_1) \]
\[ y - y_1 = 0(x - x_1) \]
\[ y - 7 = 0(x - 3) \]
\[ y - 7 = 0 \]
\[ y = 7 \]

2) \[ y - y_1 = m(x - x_1) \]
\[ y - y_1 = \frac{8}{5}(x - x_1) \]
\[ y + 5 = \frac{8}{5}(x - 1) \]
Learning Targets Unit 3

3) \( y = mx + b \)

\[
m = \frac{14 - (-3\frac{2}{3})}{2 - (-\frac{1}{2})} = \frac{17\frac{1}{2}}{2\frac{1}{2}} = 7
\]

\((-2,0) \quad (0,-1)\)

\( y = 7x + b \)

\[
14 = 2(a) + b
\]

\[
14 = 14 + b
\]

\(-14 \quad -14\)

\(0 = b\)

\( y = 7x \)

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3.R Big Main Ideas of Unit 3

**Line Relations**
- parallel, intersecting, skew, perpendicular

**Angle Pairs**
- names
- when they are congruent VS when you need them congruent (proofs)

**Perpendicular**
- perpendicular lines with transversals
- shortest distance idea

**Equations of Lines**
- slope between two points
- creating in slope-int and point-slope form
- graphing lines
- how parallel and perpendicular fit in
Assignment (Due Thursday 11/8)

1) Pg. 202 #1-8, 11, 13, 15, 19, 21-23, 27, 30, 32, 33

2) Look over all old quizzes
   -3.6 we will review at the beginning of the period