**Trigonometry/Precalculus Name**

**Algebra Review Date**

**Day \_\_\_\_\_\_\_\_\_ HW Block**

Solve each equation, if possible, using any strategy.  Be sure to check your solutions.

1) 2)





3) 4)



(2y – 3)(y – 2) = –12y + 18





5) 6)

|  |  |  |
| --- | --- | --- |
|   | 7)  (x – 3)2 – 2 = 14 | 8) (x + 2)2 + 4(x + 2) – 5 = 0    |

 Write a linear equation for each of the following. Leave your answer in slope-intercept form.

 (y = mx + b)

9) a line with slope 1/2 though ( 8, -2) 10) a line that passes through ( 1, -8) and (6, -3)

11) a line perpendicular to y = -3x + 8 12) a line parallel to y = 2/3 x – 15 through

 that passes through (-9, 12) that passes through (6, 2).

Write the trigonometric equation you would use to solve for the missing sides in the following triangles. Then solve for each.

13) 14)

 