

Feb 5

[Get your test folder.]

~~Jan. 31~~

Bell ringer

Solve.

$$1) y^2 - 16y + 64 = 0 \quad \boxed{y=8}$$

$$2) 3y^2 + 16y = 35 \quad y = -7, \frac{5}{3}$$

$$3y^2 + 16y - 35 = 0$$

F	S
-105	16
35	3
-5	21
3	-5

$$(3y-5)(y+7) = 0$$

$$3y-5=0 \quad \text{or} \quad y+7=0$$

$$\left. \begin{array}{l} 3y=5 \\ y=\frac{5}{3} \end{array} \right\} \quad \left. \begin{array}{l} y=-7 \end{array} \right\}$$

-5	21	16
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$$\frac{3}{-5} = -\frac{3}{5}$$

$$\frac{3}{21} = \frac{1}{7}$$

Assignment:

Review worksheet on factoring
(Sections 8-5 to 8-9)

Front : 1 to 31
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$$9) \quad 2n^3 - (2n^2y + 18ny^2) \quad \begin{array}{r} 9 \\ \hline -3.7 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \hline -6 \\ \hline \end{array}$$
$$2n(n^2 - 6ny + 9y^2)$$

$$2n(n-3y)(n-3y)$$

$$\text{or } 2n(n-3y)^2$$

$\frac{6}{5}$	$\frac{5}{5}$
$\frac{60}{5}$	$\frac{19}{5}$

$$4) 6n^2 + 19n + 10$$

$$(3n+2)(2n+5)$$

$6 \cdot 10$	16
$4 \cdot 15$	19

$$\frac{6}{4} = \frac{3}{2} \quad \frac{6}{15} = \frac{2}{5}$$

$$5x(x^2 + 9)$$

