

Post-Systems Test Review Assignment

Name:

Hour:

Factor each trinomial

1) $3p^2 - 2p - 5$

$a = 3$ $b = -2$ $c = -5$

$$\begin{array}{r|l} a \cdot c & \\ \hline 3p & -15 \\ -5 & 8p \\ \hline b & \end{array}$$

$(3p - 5)(p + 1)$

2) $2n^2 + 3n - 9$

3) $3n^2 - 8n + 4$

4) $5n^2 + 19n + 12$

5) $2v^2 + 11v + 5$

6) $2n^2 + 5n + 2$

7) $7a^2 + 53a + 28$

8) $3k^2 + 22k + 7$

Simplify each radical... COMPLETELY!

$$\begin{aligned} 1) \sqrt{75} &= \sqrt{25 \cdot 3} \\ &= \sqrt{25} \cdot \sqrt{3} = \boxed{5\sqrt{3}} \end{aligned}$$

$$2) \sqrt{16}$$

$$3) \sqrt{36}$$

$$4) \sqrt{64}$$

$$5) \sqrt{80}$$

$$6) \sqrt{30}$$

$$7) \sqrt{8}$$

$$8) \sqrt{18}$$

$$9) \sqrt{32}$$

$$10) \sqrt{12}$$

$$11) \sqrt{8}$$

$$12) \sqrt{108}$$

$$13) \sqrt{125}$$

$$14) \sqrt{50}$$

$$15) \sqrt{175}$$

$$16) \sqrt{28}$$
