

Name: \_\_\_\_\_

## Review 2.4 – 2.6

1. Factor completely.

a)  $5pqr - pqs - 10pqt$

b)  $3x^5 - 6x^3 + 3x$

c)  $25w^5 - 6w^3$

d)  $5rst - 15ab + 35cd$

2. Replace each ■ with a number that will make each trinomial factor

a)  $x^2 + \blacksquare x + 10$

b)  $x^2 - 3x + \blacksquare$

c)  $x^2 + \blacksquare x - 24$

d)  $x^2 - \blacksquare x - 50$

3. Factor completely.

a)  $x^2 + 5x + 4$

b)  $r^2 - 13r + 42$

c)  $2y^2 + 9y + 9$

d)  $n^2 - 10n - 24$

e)  $4n^2 - 14n - 30$

f)  $5x^2 - 14x - 3$

4. Factor completely.

a)  $4n^2 - 28n + 49$

b)  $25r^2 + 30r + 9$

c)  $16x^2 - 121$

d)  $1 - 144n^2$

e)  $x^2 + 17xy + 16y^2$

f)  $c^2 - 13cd + 22d^2$