## NAME

## SAMPLE TEST

1. SECTION 10.4 Using the discriminant, determine if the quadratic equation has a double root, no real root, or two roots:

$$
8 x^{2}-7 x+9=0
$$

2. SECTION 10.2 Solve by factoring:

$$
3 x^{2}+14 x=5
$$

3. SECTION 10.4 Solve by the quadratic formula:

$$
x^{2}-84=5 x
$$

4. SECTION 10.1 Write in standard form:

$$
\frac{2}{3} x^{2}=-\frac{1}{4} x+\frac{3}{8}
$$

5. SECTION 10.3 Solve by completing the square:

$$
x^{2}-4 x=3
$$

6. SECTION 10.5 Find a number such that its square minus six times itself equals 7.

## CLASS

## ANSWERS

1. $\qquad$
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
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