Name: _____ Class: _____ Date: _____ ID: A

Unit 03-01 Quiz

Multiple Choice
Identify the choice that best completes the statement or answers the question.

____ 1. What is the GCF of the expression below that could be use to rewrite the polynomial in factored form?
$9x^4 + 3x^3 + 12x^2$

a. $12x^4$
b. $3x^2$
c. $12x^2$
d. $3x^4$

____ 2. Which of the below is a binomial factor of the polynomial shown?

$a^2 + 10a - 24$

a. $(a+4)$
b. $(a-4)$
c. $(a-12)$
d. $(a+12)$

____ 3. Which of the below is the factored form of the polynomial shown?

$n^2 + 6n - 40$

a. $(n+8)(n-5)$
b. $(n+10)(n-4)$
c. $(n-10)(n+4)$
d. $(n+12)(n-6)$

____ 4. Which of the below binomials is a factor of the polynomial shown?

$2b^2 + 18b + 40$

a. $(b+5)$
b. $(b+10)$
c. $(b+2)$
d. $(b+8)$

____ 5. Which of the below is the **completely** factored form of the polynomial shown?

$4a^2 - 9b^2$

a. $(2a+3b)(2a-3b)$
b. $(2a+3b)^2$
c. $(2a-3b)^2$
d. $(4a+9b)(a-b)$

____ 6. Which of the below is a binomial factor of the polynomial shown?

$3p^2 + 11p + 10$

a. $(p+2)$
b. $(p+5)$
c. $(3p+2)$
d. $(3p+10)$