

Worksheet 10

- Which of the following is a factor of $x^2 + 3x - 10$?
 - $(x+2)$
 - $(x+5)$
 - $(x-5)$
 - $(x-10)$
- Which of the following is a factor of $x^2 - 169$?
 - $(x+169)$
 - $(x-1)$
 - $(x-13)$
 - $(x-169)$
- Which of the following is a factor of $6x^2 + 17x + 12$?
 - $(3x+4)$
 - $(3x+2)$
 - $(2x+6)$
 - $(6x+2)$
- Which of the following is a factor of $x^2 - 14x - 32$?
 - $(x+2)$
 - $(x+4)$
 - $(x-8)$
 - $(6x+2)$
- Which of the following is a factor of $12x^2 - x - 20$?
 - $(3x+4)$
 - $(4x-3)$
 - $(4x+5)$
 - $(3x-10)$
- Which of the following is a factor of $15x^2 + 4xy - 4y^2$?
 - $(5x+2y)$
 - $(3x+2y)$
 - $(5x-4y)$
 - $(3x-y)$
- Which of the following is a factor of $16 - x^2 - 2xy - y^2$?
 - $(4+x-y)$
 - $(4-x+y)$
 - $(4+x+y)$
 - $(x-y)$
- Which of the following is a factor of $-x^2 + 9$?
 - $(-x+9)$
 - $(x-9)$
 - $(-x-9)$
 - $(x+3)$

9. Which of the following is a factor of $9x^2 - 9x - 54$?

- A. $(x+2)$
- B. $(x+3)$
- C. $(9x-6)$
- D. $(9x-54)$

10. Which of the following is a factor of $6y - 2xy + 3x - x^2$?

- A. $(x+3)$
- B. $(2y-x)$
- C. $(3-x)$
- D. $(x-2y)$

11. Which of the following is a factor of $36x - x^3$?

- A. x
- B. $(9-x)$
- C. $(4-x)$
- D. $(12+x)$

12. Square: $(3a - 4b)$

- A. $9a^2 + 24ab + 16b^2$
- B. $9a^2 - 24ab + 16b^2$
- C. $9a^2 + 12ab + 8b^2$
- D. $9a^2 + 16b^2$