

11. Jessie needs to calculate the circumference of a circle, but she does not have a calculator. Since the formula for the circumference of a circle is $c = \pi d$, should she find an approximate answer or an estimate?

- A. approximate answer
- B. estimate
- C. neither
- D. There is not enough information.

12. Which is equivalent to the product of the expressions $3x^2 - 7$ and $5x^3 - 8x - 6$?

- A. $8x^5 - 56x - 6$
- B. $5x^3 + 3x^2 - 8x - 13$
- C. $15x^5 - 59x^3 - 18x^2 + 56x + 42$
- D. $15x^6 - 35x^3 - 42x^2 + 56x + 42$

13. A publishing company wants to determine if there is enough paper to print 5,000 copies of a calculus textbook. Which of the following unit rates does the publisher need to consider?

- A. pages per book
- B. chapters per book
- C. pages per chapter
- D. characters per page

14. Which is equivalent to the radical expression below?

$$(5 - 2\sqrt{a})^2$$

- A. $10 - 4\sqrt{a}$
- B. $25 + 4a$
- C. $25 + 4a^2 - 20a$
- D. $25 + 4a - 20\sqrt{a}$

15. Which is the coefficient of the cubic term of the following polynomial?

$$-3x^6 + x^5 - 2x^4 - 6x^3$$

- A. 4
- B. 3
- C. -2
- D. -6