

- 1. What is an algebraic expression for each word phrase?
 - a. the sum of 5 and a number x

c. 4 more than twice a number y

- 2. What is the algebraic expression for each word phrase?
 - a. three less than 8 times a number p

c. 12 divided by q to the fifth power

3. What word phrase can you use to represent the algebraic expression 3a-4?

- 4. **Do you understand?** The table shows how the cost of hiring a tutor depends on how many hours the work takes.
 - a. What is a rule for the total cost, in words?

b. What is a rule for the total cost, as an algebraic expression?

b. 3 less than a number
$$n$$

d. 2 minus the quotient of 6 and r

b. 7 decreased by 9 times e

| | Hours | Cost | |
|----|-------|--------|------|
| 11 | 1 | \$25 > | > 15 |
| 1 | 2 | \$40 \ | _ |
| | 3 | \$55 (| >11 |
| | 4 | \$70 < | 11 |
| | 5 | \$85 1 | 15 |