



5. Write in expanded form.

$$(a) 5^2 = (5)(5)$$

$$(b) 6^4 = (6)(6)(6)(6)$$

$$(c) x^2 = (x)(x)$$

$$(d) (m)^3 = (m)(m)(m)$$

$$(e) (n)^2 = (n)(n)$$

$$(f) 3^4 = (3)(3)(3)(3)$$

6. Evaluate

$$(a) \sqrt{16} = 4$$

$$(b) \sqrt{36} = 6$$

$$(c) \sqrt{20} = 4.47$$

7. Evaluate.

$$(a) 7^2 + 2^2$$

$$= 49 + 4$$

$$= 53$$

$$(b) 4^3 - 2^5$$

$$= 64 - 32$$

$$= 32$$

$$(c) 5 + \sqrt{25} - 10 =$$

$$= 5 + 5 - 10$$

$$= 0$$

$$(d) 3 \times 2^3$$

$$= 3(8)$$

$$= 24$$

$$(e) 3^2 \times 2^2$$

$$= 9 \times 4$$

$$= 36$$

$$(f) 4^2 - 6^2 + \sqrt{49} =$$

$$= 16 - 36 + 7$$

$$= -13$$

$$(g) \sqrt{25} + 4^2 - 1^4$$

$$= 5 + 16 - 1$$

$$= 20$$

$$(h) \sqrt{50 - 1}$$

$$= \sqrt{49}$$

$$= 7$$

$$(i) \sqrt{20 - 4} + 2^2$$

$$= \sqrt{16} + 4$$

$$= 4 + 4$$

$$= 8$$

$$(j) 3^2 - \sqrt{8 - 4} + 2^2$$

$$= 9 - \sqrt{4} + 4$$

$$= 9 - 2 + 4$$

$$= 11$$

$$(k) 6^2 + 10^2$$

$$= 36 + 100$$

$$= 136$$

$$(l) \sqrt{14 - 4} + 10^2$$

$$= \sqrt{10} + 10^2$$

$$= 3.16 + 100$$

$$= 103.16$$