

$$6.a) A = \left[\frac{R(1+i)^n - 1}{i} \right]$$

Oct 15

$$R = \$3000$$

$$i = 0.07$$

$$n = 10$$

$$A = \left[\frac{3000(1+0.07)^{10} - 1}{0.07} \right]$$

$$A = \$41\,449.34$$

$$A = \left[\frac{650(1+0.045)^{16} - 1}{0.045} \right]$$

$$R = 650$$

$$i = 0.045$$

$$n = 16$$

$$A = \text{14,767.37}$$

6 a b c d

7

9

10 a b c

$$7a) 3,000 \times 10$$

$$= 30,000$$

$$41,449.34 - 30,000$$

$$= 11,449.34$$

earned in interest

$$650 \times 16$$

$$= 10400$$

$$14767.57 - 10400$$

$$= 4367.57$$

$$1450 \times 36$$
$$= 52200$$

$$69362.25 - 52200$$
$$= 17162.25$$

$$d) \quad 375 \times 72 \\ = 27000$$

$$32302.36 - 27000 \\ = 5302.36$$

$$A = \frac{R(1+i)^n - 1}{i}$$

$$R = 1200$$

$$i = 0.06$$

$$n = 18$$

$$A = \frac{1200(1+0.06)^{18} - 1}{0.06}$$

$$= 37086.78$$

Finish p415-16

6.79,
p.