1. (a) Invest $2,000 at 5%. What is the simple interest that accumulates over 4 years?

(b) Invest $1,500 at 3.5%. What is the simple interest that accumulates over 5 years?

2. (a) Find the accumulated amount on an investment of $5,000 at 10% annual interest,

compounded annually over 3 years.

(b) Graph y = 5000(1 + 0.1)x using the window [0, 50, 5, 0, 250000, 10000].

(c) Andy Taylor is the sheriff of Mayberry, and he was once asked to evict Frank Myers   
 from his home. Frank had a bond issued by the town worth $100 in 1861,   
 compounded annually at 8.5% interest over 100 years. What was the current value in   
 1961?

(d) Find the accumulated amount on an investment of $4,000 at 6% annual interest,

compounded monthly over 5 years.

(e) Find the accumulated amount on an investment of $2,000 at 4.25% annual interest,

compounded quarterly over 10 years.

(f) Find the accumulated amount on an investment of $2,000 at 3% annual interest,

compounded weekly over 8 years.

(g) Find the accumulated amount on an investment of $2,000 at 5% annual interest,

compounded daily over 6 years.

3. (a) Find the accumulated amount if $2,000 is invested at 6.5% compounded continuously

for 7 years.

(b) Find the accumulated amount if $1,000 is invested at 3.2% compounded continuously

for 35 years.