Continuous Compounding Interest

Name ____________________

Date ______________ Period ______

Continuous Compounding Interest

$$A = Pe^{rt}$$

Continuous Compounding Interest $A = Pe^{rt}$

What is the amount resulting from investing \$1,500 at a rate of 12% compounded continuously for a time of...

2 years ?

8 years ?

Continuous Compounding Interest $A = Pe^{rt}$

What is the amount resulting from investing \$1,500 at a rate of 12% compounded continuously for a time of...
What is the effective annual rate of interest from this investment?

Continuous Compounding Interest $A = Pe^{rt}$

What is the amount resulting from investing \$2,000 at a rate of 6% compounded continuously for a time of...

10 years ?

25 years ?

Continuous Compounding Interest $A = Pe^{rt}$

What is the amount resulting from investing \$2,000 at a rate of 6%
compounded continuously for a time of...
What is the effective annual rate of interest from this investment?

Continuous Compounding Interest $A = Pe^{rt}$

How long will it take for an investment to double if it earns...

3% compounding continuous ?

6% compounding continuous ?