## GRE QUANT PRACTICE PAPER

| select <br> $1-5 x$ <br> select <br> sone of the other answers <br> Nox2y2x2y <br> select <br> $y-5 y$ <br> select <br> $5+x 2 y 2$ <br> select <br> $1-5 y$ |
| :--- |

2. A function $f(x)=-1$ for all values of $x$. Another function $g(x)=3 x$ for all values of $x$. What is $g(f(x))$ when $x=4$ ?
select
-3
select
3
select
12
select
-12
select
-1
3. $25 x^{2}-36 y^{2}$ can be factored into:
select
cannot be factored
select
$(5 x+6 y)(5 x+6 y)$
select
$(5 x-6 y)(5 x-6 y)$

4. In the equation below, $\mathrm{m}, \mathrm{p}$, and k are non-zero numbers. What is the value of m in terms of p and k ?
$1 \mathrm{~m} 3-1 \mathrm{k} 2=1 \mathrm{p}$
select
$\mathrm{m}=(\mathrm{pk} 2 \mathrm{p}+\mathrm{k} 2)_{13}$
select
$\mathrm{m}=(\mathrm{p}+\mathrm{k} 22) 3$
select
$\mathrm{m}=\mathrm{p} 2 \mathrm{k} 3 \mathrm{p}+\mathrm{k} 2$


For the quantities below, $\mathrm{x}<\mathrm{y}$ and x and y are both integers.
6. Please elect the answer that describes the relationship between the two quantities below: Quantity A
$x^{5} y^{3}$
Quantity B

$$
x^{4} y^{4}
$$

select
Quantity $B$ is greater.

## select

Quantity $A$ is greater.
select
The relationship cannot be determined from the information provided.
select

The quantities are equal.
7. Solve the inequality $6(x-1)<7(3-x)$.
select
$\mathrm{x}<127$
select
$\mathrm{x}>1327$

| $y_{x}$ select |
| :--- | :--- |
| $x>-1117$ |


| select |
| :--- |
| $x<2713$ |

select
$x>-1327$
8. $h(x)=28 x+4$

For which of the following values of $x$ is the above function undefined?

| select |
| :--- |
| 4 |
| select |

28
select
None of the other answers

| select |
| :--- |
| -4 |




## select

\$5811
select
\$5625
select
\$6143
In a four-digit positive interger $y$, the thousand's digit is three times the units digit.
15. Quantitiy A
Unit's digit of $y$
select
Quantity B is greater.
select

The relationship cannot be determined from the information given.
select
The two quantities are equal.
select
Quantity A is greater.

