1. Solve the system of equations algebraically. Be sure to find **all**

solutions!

X^2+y^2=10

2x^2-y^2=17

I got not sure if it’s right or missing

 x=2.999999976132

 Y=0.999999870315

1. Find the coefficient of the term x^5 y^3 in the expansion of (4x-y)^8

3. Put each conic in standard form; identify the conic, , state

vertices, centers, asymptotes where applicable.

1. ***x^2* = 4*y*−8**

Standard Form:

Identify which Conic Section:

Characteristics applicable:

Center:

Vertices:

Asymptotes:

1. **9(*x*−2)^2−16(*y*+1)^2=144**

Standard Form:

Identify which Conic Section:

Characteristics applicable:

Center:

Vertices:

Asymptotes:

4(*x*−3)^2+25(*y*+2)^2=100

Standard Form:

Identify which Conic Section:

Characteristics applicable:

Center:

Vertices:

Asymptotes: