```
newline newline
"Intersection of Vertor with 2D coordinates plane to get r:"
x = 3 \frac{d}{d} + 2 \frac{d}{d} = conversion
newline
E = V
newline newline
a left ( stack{1 # 0 # 0}right ) + b left ( stack{0 # 1 #
0\right ) = left ( stack{eye.x # eye.y # eye.z\right ) + r
left ( stack{eye.x - point.x # eye.y - point.y # eye.z -
point.z}right )
newline newline
a = eye.x + r (eye.x - point.x) newline
b = eye.y + r (eye.y - point.y) newline
0 = \text{eye.z} + \text{r (eye.z - point.z)} newline
newline
r = -(\{eye.z\} \text{ over } \{eye.z - point.z\})
newline newline
"Now to get the 2D coordinates:" newline
x = eye.x + (-eye.z over \{eye.z - point.z\}) * (eye.x -
point.x) newline
y = eye.y + (-eye.z over \{eye.z - point.z\}) * (eye.y -
point.y) newline
newline
"For eye.x = 0 and eye.y = 0:" newline
x = {eye.z * point.x} over {eye.z - point.z} newline
y = {eye.z * point.y} over {eye.z - point.z} newline
```